

1. (Four Times Amended) A heat shrinkable film comprising a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from three to ten carbon atoms, said copolymer having a density of at least [about 0.901] 0.902 g/cc, wherein said heat shrinkable film has been extruded and cooled to its solid state by cascading water, and thereafter heated to its softening temperature and stretched in its machine and transverse directions followed by being quenched, so that said heat shrinkable film will return to its unstretched dimensions when heated, and wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

16. (Four Times Amended) A heat shrinkable film having a symmetrical structure comprising:  
outer layers comprising a propylene homopolymer or copolymer; and  
a core layer comprising a homogeneous linear single site catalyzed copolymer of ethylene  
and an alpha-olefin having from three to eight carbon atoms, said homogeneous  
copolymer having a density of at least [0.901] 0.902 g/cc;  
wherein said heat shrinkable film has been extruded and cooled to its solid state by cascading  
water, and thereafter heated to its softening temperature and stretched in its machine and  
transverse directions followed by being quenched, so that said heat shrinkable film will return  
to its unstretched dimensions when heated, and wherein the homogeneous linear single site  
catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent,  
based on total film weight.

18. (Four Times Amended) A heat shrinkable multilayer film comprising:

a heat sealing layer;

an inner layer comprising a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from three to eight carbon atoms, said copolymer having a density of at least [0.901] 0.902 g/cc; and

a barrier layer; and

wherein said heat shrinkable film has been extruded and cooled to its solid state by cascading water, and thereafter heated to its softening temperature and stretched in its machine and transverse directions followed by being quenched, so that said heat shrinkable film will return to its unstretched dimensions when heated, and wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

28. (Four Times Amended) A heat shrinkable multilayer film comprising:

a heat sealing layer comprising a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from three to eight carbon atoms, said copolymer having a density of at least [0.901] 0.902 g/cc; and

a barrier layer; and

wherein said heat shrinkable film has been extruded and cooled to its solid state by cascading water, and thereafter heated to its softening temperature and stretched in its machine and transverse directions followed by being quenched, so that said heat shrinkable film will return

to its unstretched dimensions when heated, and wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

35. (Four Times Amended) A heat shrinkable film comprising at least two layers wherein at least one of said layers comprises a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from three to eight carbon atoms, said copolymer having a density of at least [0.901] 0.902 g/cc, and wherein at least one of said layers is crosslinked, and wherein said heat shrinkable film has been extruded and cooled to its solid state by cascading water, and thereafter heated to its softening temperature and stretched in its machine and transverse directions followed by being quenched, so that said heat shrinkable film will return to its unstretched dimensions when heated, and wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

36. (Four Times Amended) A heat shrinkable multilayer film having a symmetrical structure comprising:

outer layers comprising a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from three to eight carbon atoms, said copolymer having a density of at least [0.901] 0.902 g/cc; and  
an inner core layer; and

wherein said heat shrinkable film has been extruded and cooled to its solid state by cascading water, and thereafter heated to its softening temperature and stretched in its machine and transverse directions followed by being quenched, so that said heat shrinkable film will return to its unstretched dimensions when heated, and wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

42. (Three Times Amended) A seamless tubing comprising a multilayer, heat shrinkable film comprising a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from three to ten carbon atoms, said copolymer having a density of at least [0.901] 0.902 g/cc, wherein said film has been extruded and cooled to its solid state by cascading water, and thereafter heated to its softening temperature and stretched in its machine and transverse directions followed by being quenched, so that said film will return to its unstretched dimensions when heated, and wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

43. (Three Times Amended) A process for making a heat-shrinkable film, comprising:

(A) extruding a film comprising a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from three to ten carbon atoms, said copolymer having a density of at least [0.901] 0.902 g/cc; and

B) cooling the film to the solid state by cascading water;

C) reheating the film to a softening temperature of the homogeneous linear single site catalyzed copolymer;

D) stretching the film so that an oriented molecular configuration is produced;

E) quenching the film while substantially retaining its stretched dimensions to set the film in the oriented molecular configuration; and

wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

57. (Once Amended) A heat shrinkable film comprising a homogeneous linear single site catalyzed copolymer of ethylene and an alpha-olefin having from six to ten carbon atoms, said copolymer having a density of at least [0.901] 0.902 g/cc, wherein said heat shrinkable film has been extruded and cooled to its solid state by cascading water, and thereafter heated to its softening temperature and stretched in its machine and transverse directions followed by being quenched, so that said heat shrinkable film will return to its unstretched dimensions when heated, and wherein the homogeneous linear single site catalyzed copolymer is present in the film in an amount of from 15 to 100 weight percent, based on total film weight.

64. (Once Amended) The heat-shrinkable film according to Claim 1, wherein the film has an impact strength of from 56 to 87 pounds.

---65. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.

66. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.

67. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.

68. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.

69. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.

70. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.

71. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.

72. The film according to Claim 1, wherein the homogeneous ethylene/alpha-olefin copolymer is present in the film in an amount of from 51 to 100 percent, based on film weight.---